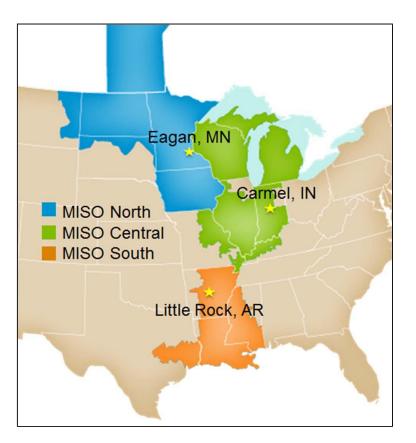


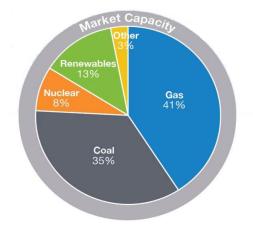
### 2021 Summer Readiness Workshop

June 15th, 2021

# MISO is an independent, non-profit organization responsible for maintaining reliable and cost-effective delivery of power in 15 states and one Canadian province

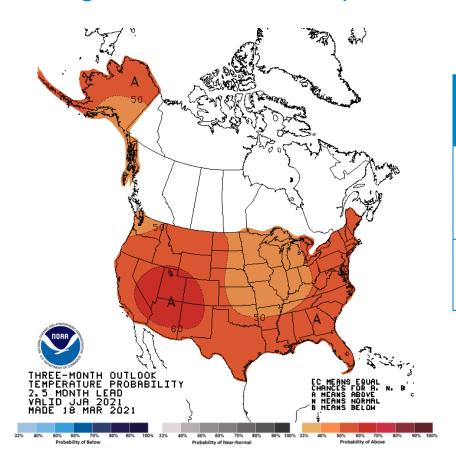


MISO by-the-numbers	
High Voltage Transmission	65,800 miles
Generation Capacity	174,000 MW
Peak System Demand	127,125 MW
Customers Served	42 million





## 146 GW of resources are projected to cover demand and outages for Summer 2021 with warmer than normal temperatures forecasted throughout the MISO footprint



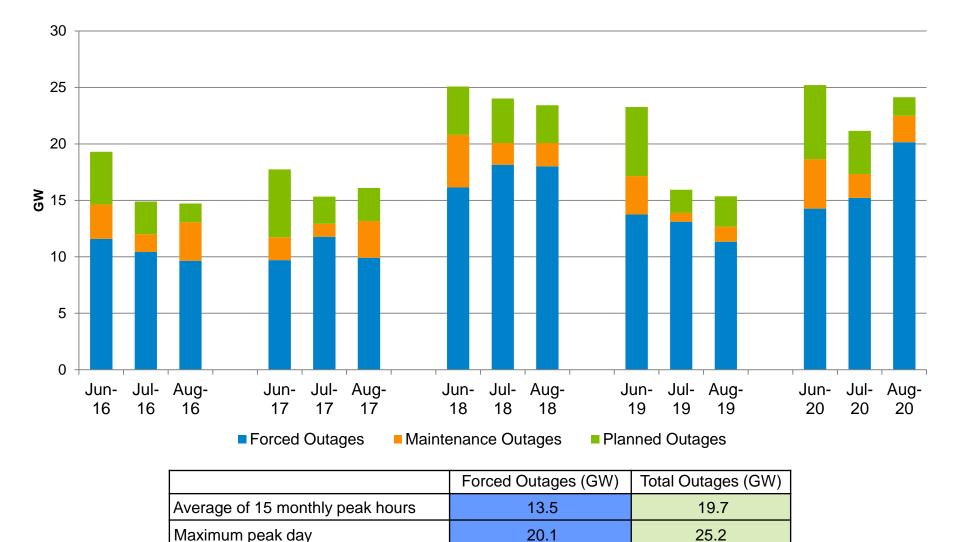
MISO Preliminary 2021 Summer Forecast		
Summer Coincident Peak Forecast + Transmission Losses	122 GW	
Total Projected Available Capacity*	146 GW	

All-time Summer Peak Load: 127 GW on July 20, 2011

NOAA forecasts below average levels of precipitation in LRZs 1-3 & above average levels in the southeast pocket of the MISO footprint



## Cumulative generation outages of Summer 2020 during monthly peak remain high relative to the 5-year average





## Range of uncertainty in generation availability and load forecasts capture risks utilized in the Summer 2021 scenarios

#### Generation

#### Probable Generation Capacity

- Removes 5-year average volume of resource outages<sup>1</sup> during monthly peak (planned, maintenance, and forced)
- Low Generation Capacity (High Outage)
  - Removes 5-year maximum volume of resource outages during monthly peak (planned, maintenance, and forced), typically because of non-normal weather conditions

#### Load

- Probable Load Forecast
  - 50/50 forecast<sup>2</sup>, provided by Market Participants
- High Load Forecast
  - 90/10 forecast<sup>3</sup>

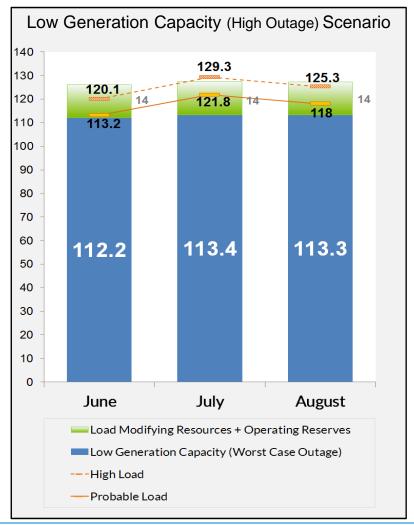




## A combination of both high load and high outages could drive operational challenges for the Summer 2021 season

#### **Summer 2021 Resource Adequacy Projections – System-wide**









Questions?



#### **Contact Info**

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